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SHOWA DENKO K.K., 1-1, Ohnodai 1-chome, Mi-  
dori-ku, Chiba-shi, Chiba 267-0056 (JP).

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(74) Agents: AOKI, Atsushi et al.; A. AOKI, ISHIDA & AS-  
SOCIATES, Toranomom 37 Mori Bldg., 5-1, Toranomom  
3-chome, Minato-ku, Tokyo 105-8423 (JP).

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(71) Applicant (*for all designated States except US*): SHOWA  
DENKO K. K. [JP/JP]; 13-9, Shiba Daimon 1-chome, Mi-  
nato-ku, Tokyo 105-8518 (JP).

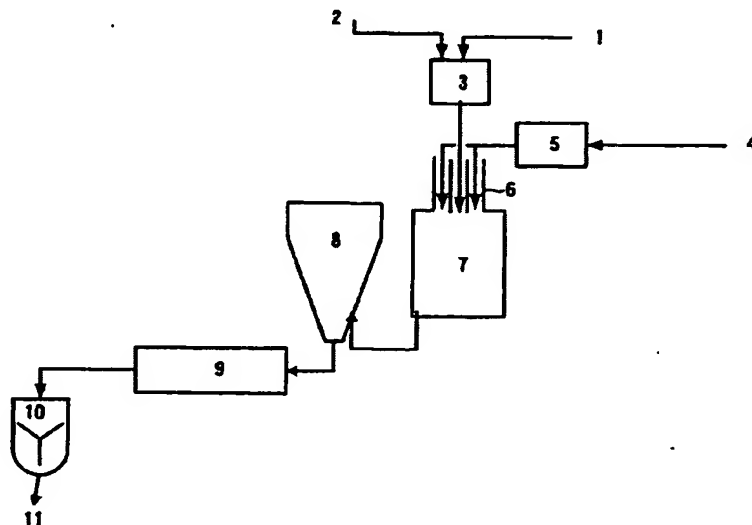
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): KOGOI, Hisao  
[JP/JP]; C/O SHOWA TITANIUM CO.LTD., 3-1, Nishi-  
nomiyamachi, Toyama-shi, Toyama 931-8577 (JP).  
TANAKA, Jun [JP/JP]; C/O Corporate R & D Center,

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(54) Title: PRODUCTION PROCESS OF TITANIA-SILICA MIXED CRYSTAL PARTICLES HAVING A HIGH BULK DEN-  
SITY, TITANIA-SILICA MIXED CRYSTAL PARTICLES OBTAINED BY THE PROCESS AND USES THEREOF



(57) Abstract: A process for producing titania-silica mixed crystal particles having a high bulk density and comprising titanium oxide as the main component and silicon oxide as a subsidiary component, the process comprising decomposing a gaseous titanium halide and a gaseous silicon halide, each heated at 600°C, or more in the presence of oxygen or water vapor heated at 600°C or more, heating the obtained powder at 300 to 600°C to decrease the concentration of raw material-originated hydrogen halide in the powder to 1 mass% or less, and then subjecting the powder to a treatment of dissociating the aggregated or steric structure.

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